

Seznam odborných článků pracovníků FAI v impaktovaných časopisech v letech 2019-2023

s určením kvartilu dle AIS v jednotlivých Fordech

Pozn. Oranžově zvýrazněny výstupy v *Przegląd Elektrotechniczny* starší roku 2023. U těchto publikací nebyla v těchto letech stanovena hodnota AIS.

Citace	Rok	Kvarti/Decil	Ford
ŠENOL, Bilal, DEMIROĞLU, Uğur, MATUŠŮ, Radek. Fractional order proportional derivative control for time delay plant of the second order: The frequency frame. <i>Journal of the Franklin Institute</i> , 2020, roč. 357, č. 12, s. 7944-7961. ISSN 0016-0032.	2020	Q2; Q1; Q2	1.1.; 2.11; 2.2
SCHAUER, František. Electronic structure spectroscopy of organic semiconductors by energy resolved electrochemical impedance spectroscopy (ER-EIS). <i>Journal of Applied Physics</i> , 2020, roč. 128, č. 15, s. 1-11. ISSN 0021-8979.	2020	Q2	1.3
KŘESÁLEK, Vojtěch, MIKULIČOVÁ, Michaela. Luminescence spectroscopy as a tool for testing of cure kinetics of epoxy resins. <i>Polymer Testing</i> , 2020, roč. 86, č. Neuveden, s. nestránkováno. ISSN 0142-9418.	2020	Q2	1.4; 2.5
VČELAŘ, František, PÁTÍKOVÁ, Zuzana. A comparative study of Tarski's fixed point theorems with the stress on commutative sets of L-fuzzy isotone maps with respect to transitivity. <i>Fuzzy Sets and Systems</i> , 2020, roč. 2020, č. 382, s. 29-56. ISSN 0165-0114.	2020	Q3; Q2	1.1; 1.2
HUYNH, Minh Huy, NGUYEN, Loan T.T, VO, Bay, YUN, Unil, KOMÍNKOVÁ OPLATKOVÁ, Zuzana, HONG, Tzung-Pei. Efficient algorithms for mining clickstream patterns using pseudo-IDLists. <i>FUTURE GENERATION COMPUTER SYSTEMS</i> , 2020, roč. 107, č. Neuveden, s. 18-30. ISSN 0167-739X.	2020	Q1	1.2
PÁTÍKOVÁ, Zuzana. Nonoscillatory solutions of half-linear Euler-type equation with n terms. <i>Mathematical Methods in the Applied Sciences</i> , 2020, roč. 44, č. 13, s. 7615-7622. ISSN 0170-4214.	2020	Q3	1.1
HRABEC, Dušan, SOMPLAK, Radovan, NEVRLY, Vlastimír, VIKTORIN, Adam, PLUHÁČEK, Michal, POPELA, Pavel. Sustainable waste-to-energy facility location: Influence of demand on energy sales. <i>Energy</i> , 2020, roč. 207, č. neuveden, s. 1-15. ISSN 0360-5442.	2020	D1; Q1	2.3; 2.7
SONG, Mengjie, XIE, Gongnan, PEKAŘ, Libor, MAO, Ning, QU, Minglu. A modeling study on the reverse cycle defrosting of an air source heat pump with the melted frost downwards flowing away and local drainage. <i>Energy and Buildings</i> , 2020, roč. 226, č. neuveden, s. 1-14. ISSN 0378-7788.	2020	Q1	2.1; 2.7
ŘEHÁK, David, HROMADA, Martin, LOVEČEK, Tomáš. Personnel threats in the electric power critical infrastructure sector and their effect on dependent sectors: Overview in the Czech Republic. <i>SAFETY SCIENCE</i> , 2020, roč. 127, č. neuveden, s. nestránkováno. ISSN 0925-7535.	2020	Q1; Q2	2.11; 5.2
PROCHÁZKA, Aleš, CHARVÁTOVÁ, Hana, VYŠATA, Oldřich, JARCHI, Delaram, SANEI, Saeid. Discrimination of cycling patterns using accelerometric data and deep learning techniques. <i>NEURAL COMPUTING & APPLICATIONS</i> , 2020, roč. Neuveden, č. Neuveden, s. 1-11. ISSN 0941-0643.	2020	Q2	1.2
REBENDA, Josef, PÁTÍKOVÁ, Zuzana. Differential transform algorithm for functional differential equations with time-dependent delays. <i>COMPLEXITY</i> , 2020, roč. 2020, č. Neuveden, s. 1-12. ISSN 1076-2787.	2020	Q3	1.1; 1.7
SIEGMUND, Michał, BAŁAGA, Dominik, JANÁČOVÁ, Dagmar, KALITA, Marek. Comparison of spraying nozzles operational parameters of different design. <i>Acta Montanistica Slovaca</i> , 2020, roč. 25, č. 1, s. 24-34. ISSN 1335-1788.	2020	Q4	1.5; 2.7
MAZUREK, Krzysztof, ZYGUŁA, Marek, PERŮTKA, Karel, TURCZYŃSKI, Krzysztof, STANKIEWICZ, Krzysztof. Acquiring electric energy from the transport conveyor roller movement for distributed sensors network. <i>Journal of Electrical Engineering</i> , 2020, roč. 71, č. 2, s. 87-95. ISSN 1335-3632.	2020	Q4	2.2
VIKTORIN, Adam, ŠENKEŘÍK, Roman, PLUHÁČEK, Michal, KADAVÝ, Tomáš. Analysing knowledge transfer in SHADE via complex network. <i>LOGIC JOURNAL OF THE IGPL</i> , 2020, roč. 28, č. 2, s. 153-170. ISSN 1367-0751.	2020	Q4; Q3	1.1.; 1.2

PLUHÁČEK, Michal, VIKTORIN, Adam, ŠENKEŘÍK, Roman, KADAVÝ, Tomáš, ZELINKA, Ivan. Extended experimental study on PSO with partial population restart based on complex network analysis. <i>LOGIC JOURNAL OF THE IGPL</i> , 2020, roč. 28, č. 2, s. 211-225. ISSN 1367-0751.	2020	Q4; Q3	1.1.; 1.2
GÁL, Robert, MOKREJŠ, Pavel, MRÁZEK, Petr, PAVLAČKOVÁ, Jana, JANÁČOVÁ, Dagmar, ORSAVOVÁ, Jana. Chicken heads as a promising by-product for preparation of food gelatins. <i>Molecules</i> , 2020, roč. 25, č. 3, s. nestránkováno. ISSN 1420-3049.	2020	Q2	1.4; 1.6
CHARVÁTOVÁ, Hana, PROCHÁZKA, Aleš, VYŠATA, Oldřich. Motion assessment for accelerometric and heart rate cycling data analysis. <i>Sensors</i> , 2020, roč. 20, č. 5, s. 1-13. ISSN 1424-8220.	2020	Q2	1.4; 2.11; 2.2
HRABEC, Dušan, KŮDELA, Jakub, ŠOMPLÁK, Radovan, NEVRLÝ, Vlastimír, POPELA, Pavel. Circular economy implementation in waste management network design problem: A case study. <i>Central European Journal of Operations Research</i> , 2020, roč. 28, č. 4, s. 1441-1458. ISSN 1435-246X.	2020	Q4	5.2
SCHAUER, František, AKCHHETA, Karki, VOLLBRECHT, Joachim, SCHOPP, Nora, DIXON, Alana L., BAZAN, Guillermo C., NGUYEN, Thuc-Quyen, GILLET, Alexander J., FRIEND, Richard H., SELTER, Philipp, CHMELKA, Bradley F., LEE, Jaewon, PENG, Zhengxing, ADE, Harald, NÁDAŽDY, Vojtěch, SCHROCK, Max. Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells. <i>ADVANCED ENERGY MATERIALS</i> , 2020, roč. 10, č. 29, s. 2001203 (1 of 15). ISSN 1614-6832.	2020	D1	1.3; 1.4; 2.5; 2.7
CHARVÁTOVÁ, Hana, PROCHÁZKA, Aleš, ZÁLEŠÁK, Martin. Computer Simulation of Passive Cooling of Wooden House Covered by Phase Change Material. <i>ENERGIES</i> , 2020, roč. 13, č. 22, s. 1-15. ISSN 1996-1073.	2020	Q3	2.7
OVSÍK, Martin, MAŇAS, Miroslav, STANĚK, Michal, DOČKAL, Adam, MIZERA, Aleš, FLUXA, Petr, BEDNAŘÍK, Martin, ADÁMEK, Milan. Nano-mechanical properties of surface layers of polyethylene modified by irradiation. <i>Materials</i> , 2020, roč. 13, č. 4, s. nestránkováno. ISSN 1996-1944.	2020	Q2	1.3; 1.4; 2.5
OVSÍK, Martin, MAŇAS, Miroslav, STANĚK, Michal, DOČKAL, Adam, VANĚK, Jiří, MIZERA, Aleš, ADÁMEK, Milan, STOKLÁSEK, Pavel. Polyamide surface layer nano-indentation and thermal properties modified by irradiation. <i>Materials</i> , 2020, roč. 13, č. 13, s. 1-16. ISSN 1996-1944.	2020	Q2	1.3; 1.4; 2.5
ŽIDEK, Kamil, PITEL', Ján, ADÁMEK, Milan, LAZORÍK, Peter, HOŠOVSKÝ, Alexander. Digital twin of experimental smart manufacturing assembly system for Industry 4.0 concept. <i>Sustainability</i> , 2020, roč. 12, č. 9, s. 1-16. ISSN 2071-1050.	2020	Q3; Q4; Q4; Q4	1.4; 1.5; 2.7; 5.7
OLEJNÍK, Robert, GOŇA, Stanislav, SLOBODIAN, Petr, MATYÁŠ, Jiří, MOUČKA, Robert, DAŇOVÁ, Romana. Polyurethane-carbon nanotubes composite dual band antenna for wearable applications. <i>Polymers</i> , 2020, roč. 12, č. 11, s. 1-17. ISSN 2073-4360.	2020	Q2	1.4
TUFENKCI, Sevilay, ŞENOL, Bilal, ALAGÖZ, Barış Baykant, MATUŠŮ, Radek. Disturbance rejection FOPID controller design in v-domain. <i>Journal of Advanced Research</i> , 2020, roč. 25, č. neuvedeno, s. 171-180. ISSN 2090-1232.	2020	Q1	1.7
YUAN, Chengzhi, SONG, Shuang, GAO, Qinbin, KARIMI, Hamid Reza, PEKAŘ, Libor, GUO, Shenghui. A novel frequency-domain approach for the exact range of imaginary spectra and the stability analysis of LTI systems with two delays. <i>IEEE Access</i> , 2020, roč. 8, č. Neuveden, s. 36595-36601. ISSN 2169-3536.	2020	Q2	1.2; 2.2
MATUŠŮ, Radek, SENOL, Bilal, PEKAŘ, Libor. Robust PI control of interval plants with gain and phase margin specifications: Application to a continuous stirred tank reactor. <i>IEEE Access</i> , 2020, roč. 8, č. Neuveden, s. 145372-145380. ISSN 2169-3536.	2020	Q2	1.2; 2.2
KUMAR, Deepika, JAIN, Nikita, KHURANA, Aayush, MITTAL, Sweta, SATAPATHY, Suresh Chandra, ŠENKEŘÍK, Roman, HEMANTH, Jude D. Automatic detection of white blood cancer from bone marrow microscopic images using convolutional neural networks. <i>IEEE Access</i> , 2020, roč. 8, č. Neuveden, s. 142521-142531. ISSN 2169-3536.	2020	Q2	1.2; 2.2
NAVRÁTIL, Pavel, PEKAŘ, Libor, MATUŠŮ, Radek. Control of a Multivariable System Using Optimal Control Pairs: A Quadruple-Tank Process. <i>IEEE Access</i> , 2020, roč. 8, č. Neuveden, s. 2537-2563. ISSN 2169-3536.	2020	Q2	1.2; 2.2
GALEZIEWSKA, Monika, LIPINSKA, Magdalena, MRLÍK, Miroslav, ILČÍKOVÁ, Markéta, GAJDOŠOVÁ, Veronika, ŠLOUF, Miroslav, ACHBERGEROVÁ, Eva, MUSILOVÁ, Lenka, MOSNÁČEK, Jaroslav, PIETRASIK, Joanna. Polyacrylamide brushes with varied morphologies as a tool for control of the intermolecular interactions within	2021	Q2	1.4

EPDM/MVQ blends. <i>Polymer</i> , 2021, roč. 215, č. Neuveden, s. nestránkováno. ISSN 0032-3861.			
ŠEVČÍK, Jiří, MACH, Václav, ADÁMEK, Milan, VALOUCH, Jan, BARČOVÁ, Karla. A special peripheral component interconnect express card for video surveillance systems in alarm applications. <i>Przegląd Elektrotechniczny</i> , 2021, roč. 97, č. 5, s. 28-33. ISSN 0033-2097.	2021		2.2
HUSÁR, Jakub, PECHA, Jiří, ŠÁNEK, Lubomír. Development and validation of a simple and reliable alternative method for process monitoring and final product quality control during fatty acid ethyl esters production. <i>Talanta</i> , 2021, roč. 235, č. Neuveden, s. 1-8. ISSN 0039-9140.	2021	Q2	1.4
HUYNH, Bao, NGUYEN, Loan T. T, HUYNH, Minh Huy, KOZIERKIEWICZ, Adrianna, YUN, Unil, KOMÍNKOVÁ OPLATKOVÁ, Zuzana, VO, Bay. A novel approach for mining closed clickstream patterns. <i>Cybernetics and Systems</i> , 2021, roč. 52, č. 5, s. 328-349. ISSN 0196-9722.	2021	Q4	1.2
PECHA, Jiří, BAŘINOVÁ, Michaela, KOLOMAZNÍK, Karel, NGUYEN, Thanh Nhu, DAO, Anh Tuan, LE, Van Thi. Technological-economic optimization of enzymatic hydrolysis used for the processing of chrome-tanned leather waste. <i>PROCESS SAFETY AND ENVIRONMENTAL PROTECTION</i> , 2021, roč. 152, č. Neuveden, s. 220-229. ISSN 0957-5820.	2021	Q1; Q2	2.4; 2.7
SKOČÍK, Petr, POSPÍŠILÍK, Martin, KŘESÁLEK, Vojtěch, ADÁMEK, Milan. Indirect measurement of shielding effectiveness of an enclosure for a security camera. <i>Measurement Science Review</i> , 2021, roč. 21, č. 1, s. 39-46. ISSN 1335-8871.	2021	Q4	2.11
KADAVÝ, Tomáš, ŠENKERÍK, Roman, PLUHÁČEK, Michal, VIKTORIN, Adam. Orthogonal Learning Firefly Algorithm. <i>LOGIC JOURNAL OF THE IGPL</i> , 2021, roč. 29, č. 2, s. 167-179. ISSN 1367-0751.	2021	Q4	1.1; 1.2
EFIMOVA, Anastasia, BRIŠ, Petr, EFIMOV, Alexander. A Bibliometric Analysis of the Evolution of Six Sigma in the Context of Industry 4.0. <i>Inzinerine Ekonomika-Engineering Economics</i> , 2021, roč. 2021, č. 32(4), s. 338-348. ISSN 1392-2785.	2021	Q4	5.2
MOKREJŠ, Pavel, GÁL, Robert, PAVLAČKOVÁ, Jana, JANÁČOVÁ, Dagmar. Valorization of a by-product from the production of mechanically deboned chicken meat for preparation of gelatins. <i>Molecules</i> , 2021, roč. 26, č. 2, s. nestránkováno. ISSN 1420-3049.	2021	Q2	1.4; 1.6
SCHAUER, František, BAESSLER, Heinz, KROH, Daniel, NÁDAŽDY, Vojtěch, KEOHLER, Anna. Mapping the Density of States Distribution of Organic Semiconductors by Employing Energy Resolved–Electrochemical Impedance Spectroscopy. <i>ADVANCED FUNCTIONAL MATERIALS</i> , 2021, roč. 31, č. 9, s. 1-8. ISSN 1616-301X.	2021	D1	1.3; 1.4; 2.10; 2.5
JAREMKO, Jaroslav, ŠENKERÍK, Roman, JAŠEK, Roman, LUKAŠTÍK, Petr. An effective data reduction model for machine emergency state detection from big data tree topology structures. <i>International Journal of Applied Mathematics and Computer Science</i> , 2021, roč. 31, č. 4, s. 601-611. ISSN 1641-876X.	2021	Q4; Q4; Q3	1.1; 2.1; 2.2
VÁVRA, Jan, HROMADA, Martin, LUKÁŠ, Luděk, DWORZECKI, Jacek. Adaptive anomaly detection system based on machine learning algorithms in an industrial control environment. <i>International Journal of Critical Infrastructure Protection</i> , 2021, roč. 34, č. 2021, s. nestránkováno. ISSN 1874-5482.	2021	Q3; Q2	1.2; 2.11
BELTRÁN PRIETO, Juan Carlos, KOLOMAZNÍK, Karel. Mathematical modeling of urea reaction with sulfuric acid and phosphoric acid to produce ammonium sulfate and ammonium dihydrogen phosphate respectively. <i>ENERGIES</i> , 2021, roč. 14, č. 23, s. nestránkováno. ISSN 1996-1073.	2021	Q3	2.7
HROMADA, Martin, ŘEHÁK, David, LUKÁŠ, Luděk. Resilience assessment in electricity critical infrastructure from the point of view of converged security. <i>Energies</i> , 2021, roč. 14, č. 6, s. nestránkováno. ISSN 1996-1073.	2021	Q3	2.7
BEDNAŘÍK, Martin, MIZERA, Aleš, MAŇAS, Miroslav, NAVRÁTIL, Milan, HUBA, Jakub, ACHBERGEROVÁ, Eva, STOKLÁSEK, Pavel. Influence of the β - radiation/cold atmospheric-pressure plasma surface modification on the adhesive bonding of polyolefins. <i>Materials</i> , 2021, roč. 14, č. 1, s. 1-17. ISSN 1996-1944.	2021	Q2	1.3; 1.4; 2.5
ŠILHAVÝ, Petr, ŠILHAVÝ, Radek, PROKOPOVÁ, Zdenka. Spectral clustering effect in software development effort estimation. <i>Symmetry-Basel</i> , 2021, roč. 13, č. 11, s. 1-22. ISSN 2073-8994.	2021	Q3	1.7
ŠÁGA, Milan, PERŮTKA, Karel, KURIC, Ivan, ZAJAČKO, Ivan, BULEJ, Vladimír, TLACH, V.ladimír, BEŽÁK, Martin. Methods of pre-identification of TITO systems. <i>Applied Sciences</i> , 2021, roč. 11, č. 15, s. 1-15. ISSN 2076-3417.	2021	Q3	1.3; 1.4; 2.11; 2.5

ŠILHAVÝ, Radek, ŠILHAVÝ, Petr, PROKOPOVÁ, Zdenka. Using actors and use cases for software size estimation. <i>Electronics</i> , 2021, roč. 10, č. 5, s. 1-21. ISSN 2079-9292.	2021	Q4; Q3; Q3	1.2; 1.3; 2.2
DOLINAY, Jan, DOSTÁLEK, Petr, VAŠEK, Vladimír. Advanced debugger for Arduino. <i>International Journal of Advanced Computer Science and Applications</i> , 2021, roč. 12, č. 2, s. 30-36. ISSN 2158-107X.	2021	Q4	1.2
BOTCHWAY, Raphael Kwaku, JIBRIL, Abdul Bashiru, KOMÍNKOVA OPLATKOVÁ, Zuzana, JAŠEK, Roman, KWARTENG, Michael Adu. Decision science: a multi-criteria decision framework for enhancing an electoral voting system. <i>Systems Science & Control Engineering</i> , 2021, roč. 9, č. 1, s. 556-569. ISSN 2164-2583.	2021	Q3	2.2
KAZÍKOVÁ, Anežka, PLUHÁČEK, Michal, ŠENKEŘÍK, Roman. How does the number of objective function evaluations impact our understanding of metaheuristics behavior?. <i>IEEE Access</i> , 2021, roč. 9, č. Neveden, s. 44032-44048. ISSN 2169-3536.	2021	Q2	1.2; 2.2
CHARVÁTOVÁ, Hana, PROCHÁZKA, Aleš, VYŠATA, Oldřich, SUÁREZ-ARAUJO, Carmen Paz, SMITH, Jonathan Hurndall. Evaluation of accelerometric and cycling cadence data for motion monitoring. <i>IEEE Access</i> , 2021, roč. 9, č. Neveden, s. 129256-129263. ISSN 2169-3536.	2021	Q2	1.2; 2.2
HO, Le Thi Kim-Nhung, VO VAN, Hai, ŠILHAVÝ, Radek, PROKOPOVÁ, Zdenka, ŠILHAVÝ, Petr. Parametric software effort estimation based on optimizing correction factors and multiple linear regression. <i>IEEE Access</i> , 2021, roč. 10, č. Neveden, s. 2963-2986. ISSN 2169-3536.	2021	Q2	1.2; 2.2
LEI, S., SONG, M., PEKAŘ, Libor, SHEN, J.. A numerical study on frosting and its early stage under forced convection conditions with surface and environmental factors considered. <i>Sustainable Energy Technologies and Assessments</i> , 2021, roč. 45, č. Neveden, s. 'Article number 101202'. ISSN 2213-1388.	2021	Q1; Q2; Q2	1.4; 1.5; 2.7
TOMÁŠEK, Pavel, TOMÁŠKOVÁ, Hana, RAK, Jakub. Chi-square of pseudorandom number generator of normal distribution in C++17. <i>TEM Journal - Technology Education Management Informatics</i> , 2021, roč. 10, č. 4, s. 1495-1499. ISSN 2217-8309.	2021	Q4	1.2
PÁTÍKOVÁ, Zuzana, FIŠNAROVÁ, Simona. Use of the modified Riccati technique for neutral half-linear differential equations. <i>Mathematics</i> , 2021, roč. 9, č. 3, s. 1-13. ISSN 2227-7390.	2021	Q3	1.1
PÁTÍKOVÁ, Zuzana. Integral comparison criteria for half-linear differential equations seen as a perturbation. <i>Mathematics</i> , 2021, roč. 9, č. 5, s. 1-10. ISSN 2227-7390.	2021	Q3	1.1
HOŠOVSKÝ, Alexander, PITEĽ, Ján, ADÁMEK, Milan, MIŽÁKOVÁ, Jana, ŽIDEK, Kamil. Comparative study of week-ahead forecasting of daily gas consumption in buildings using regression ARMA/SARMA and genetic-algorithm-optimized regression wavelet neural network models. <i>Journal of Building Engineering</i> , 2021, roč. 34, č. nevedeno, s. nestránkováno. ISSN 2352-7102.	2021	Q1	2.1
NAVŘÁTIL, Pavel, PEKAŘ, Libor, MATUŠŮ, Radek, SONG, Mengjie, GAO, Qingbin, KANDALA, Shanti S, KADLČÍK, Ondřej. Experimental investigation and control of a hot-air tunnel with improved performance and energy saving. <i>ACS Omega</i> , 2021, roč. 6, č. 24, s. 16194-16215. ISSN 2470-1343.	2021	Q2	1.4
TUFENKCI, Sevilay, SENOL, Bilal, MATUŠŮ, Radek, ALAGOZ, Baris Baykant. Optimal V-Plane Robust Stabilization Method for Interval Uncertain Fractional Order PID Control Systems. <i>Fractal and Fractional</i> , 2021, roč. 5, č. 1, s. 1-21. ISSN 2504-3110.	2021	Q3	1.1
DANG, Qun, SONG, Mengjie, ZHANG, Xuan, PEKAŘ, Libor, HOSSEINI, Seyyed Hossein. Modelling study on freezing process of water droplet on inclined cold plate surface with droplet dynamic behavior considered. <i>International Journal of Heat and Mass Transfer</i> , 2022, roč. 197, č. Neveden, s. 1-15. ISSN 0017-9310.	2022	Q1	2.3
MATUŠŮ, Radek, SENOL, Bilal, PEKAŘ, Libor. Calculation of robustly relatively stabilizing PID controllers for linear time-invariant systems with unstructured uncertainty. <i>ISA TRANSACTIONS</i> , 2022, roč. 131, č. Neveden, s. 579-597. ISSN 0019-0578.	2022	Q1; Q1	2.11; 2.2
HUYNH, Minh Huy, NGUYEN, Loan T.T, VO, Bay, KOMÍNKOVA OPLATKOVÁ, Zuzana, FOURNIER-VIGER, Philippe, YUN, Unil. An efficient parallel algorithm for mining weighted clickstream patterns. <i>INFORMATION SCIENCES</i> , 2022, roč. 582, č. Neveden, s. 349-368. ISSN 0020-0255.	2022	Q1	1.2
DROFOVÁ, Irena, ADÁMEK, Milan. Visualization of bronze material structure in virtual reality. <i>Przeglad Elektrotechniczny</i> , 2022, roč. 98, č. 12, s. 154-158. ISSN 0033-2097.	2022		2.2

DROFOVÁ, Irena, ADÁMEK, Milan. Analysis of the structure material of the bronze object in 3D models point cloud. <i>Przegląd Elektrotechniczny</i> , 2022, roč. 98, č. 3, s. 97-101. ISSN 0033-2097.	2022		2.2
ŘEHÁK, David, HROMADA, Martin, ONDERKOVÁ, Vendula, WALKER, Neil, FUGGINI, Clemente. Dynamic robustness modelling of electricity critical infrastructure elements as a part of energy security. <i>INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS</i> , 2022, roč. 136, č. Neuveden, s. 1-16. ISSN 0142-0615.	2022	Q2	2.2
TUREČKOVÁ, Alžběta, TUREČEK, Tomáš, JANKŮ, Peter, VAŘACHA, Pavel, ŠENKEŘÍK, Roman, JAŠEK, Roman, PSOTA, Václav, ŠTĚPÁNEK, Vít, KOMÍNKOVÁ OPLATKOVÁ, Zuzana. Slicing aided large scale tomato fruit detection and counting in 360-degree video data from a greenhouse. <i>Measurement</i> , 2022, roč. 204, č. Neuveden, s. 1-11. ISSN 0263-2241.	2022	Q2	2.11
ŽABČÍKOVÁ, Martina, KOUDELKOVÁ, Zuzana, JAŠEK, Roman, LORENZO NAVARRO, José Javier. Recent advances and current trends in brain-computer interface research and their applications. <i>INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE</i> , 2022, roč. Neuveden, č. Neuveden, s. 107-123. ISSN 0736-5748.	2022	Q3	1.6; 3.1
HRABEC, Dušan, HVATTUM, Lars Magnus, HOFF, Arild. The value of integrated planning for production, inventory, and routing decisions: A systematic review and meta-analysis. <i>INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS</i> , 2022, roč. 248, č. Neuveden, s. 1-13. ISSN 0925-5273.	2022	D1; Q1	2.11; 5.2
HUYNH, Minh Huy, NGUYEN, Loan T.T, PHAM, Ngoc Nam, KOMÍNKOVÁ OPLATKOVÁ, Zuzana, YUN, Unil, VO, Bay. An efficient method for mining sequential patterns with indices. <i>Knowledge-Based Systems</i> , 2022, roč. 239, č. Neuveden, s. 1-12. ISSN 0950-7051.	2022	Q1	1.2
GUPTA, Saurav, PADHEE, Subhransu, PEKAŘ, Libor. Recursive least squares identification of heat exchanger system using block-structured models. <i>PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING</i> , 2022, roč. 236, č. 4, s. 870-879. ISSN 0959-6518.	2022	Q4	2.2
KADAVÝ, Tomáš, VIKTORIN, Adam, KAZÍKOVÁ, Anežka, PLUHÁČEK, Michal, ŠENKEŘÍK, Roman. Impact of Boundary Control Methods on Bound-constrained Optimization Benchmarking. <i>IEEE Transactions on Evolutionary Computation</i> , 2022, roč. 26, č. 6, s. 1271-1280. ISSN 1089-778X.	2022	D1	1.2
PLUSKAL, Jaroslav, ŠOMPLÁK, Radovan, HRABEC, Dušan, NEVRLÝ, Vlastimír, HVATTUM, Lars Magnus. Optimal location and operation of waste-to-energy plants when future waste composition is uncertain. <i>OPERATIONAL RESEARCH</i> , 2022, roč. 22, č. 5, s. 5765-5790. ISSN 1109-2858.	2022	Q4	5.2
ŠENOL, Bilal, DEMIROĞLU, Ugur, MATUŠŮ, Radek. Analytical approach on the design of fractional order proportional-integral controller for second order plus time delay models. <i>JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY</i> , 2022, roč. 37, č. 1, s. 121-136. ISSN 1300-1884.	2022	Q4	2.11
SKOVAJSA, Jan, DRÁBEK, Pavel, SEHNÁLEK, Stanislav, ZÁLEŠÁK, Martin. Design and Experimental Evaluation of Phase Change Material Based Cooling Ceiling System. <i>Applied Thermal Engineering</i> , 2022, roč. 205, č. 205, s. 118011. ISSN 1359-4311.	2022	D1; Q2	2.3; 2.7
EMEBU, Samuel, PECHA, Jiří, JANÁČOVÁ, Dagmar. Review on anaerobic digestion models: Model classification & elaboration of process phenomena. <i>RENEWABLE & SUSTAINABLE ENERGY REVIEWS</i> , 2022, roč. neuveden, č. 160, s. 1-17. ISSN 1364-0321.	2022	D1	1.4; 1.5; 2.7
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PROCHÁZKA, Aleš, CHARVÁTOVÁ, Hana, VYŠATA, Oldřich. The Effect of Face Masks on Physiological Data and the Classification of Rehabilitation Walking. <i>IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING</i> , 2022, roč. 30, č. Neuveden, s. 2467-2473. ISSN 1534-4320.	2022	Q1	2.6; 3.3
JIŘINA, Marcel, KRAYEM, Said. The distance function optimization for the near neighbors-based classifiers. <i>ACM TRANSACTIONS ON KNOWLEDGE DISCOVERY FROM DATA</i> , 2022, roč. 16, č. 6, s. 1-21. ISSN 1556-4681.	2022	Q2	1.2
HUIDOBRO, Pedro, ALONSO, Pedro, JANIŠ, Vladimír, MONTES, Susana. Convexity and level sets for interval-valued fuzzy sets. <i>FUZZY OPTIMIZATION AND DECISION MAKING</i> , 2022, roč. 21, č. 44, s. 553-580. ISSN 1568-4539.	2022	Q2; Q3	1.2; 5.2

ANTOŠ, Jan, KUBALČÍK, Marek, KUŘITKA, Ivo. Scalable non-dimensional model predictive control of liquid level in generally shaped tanks using RBF neural network. <i>INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS</i> , 2022, roč. 20, č. 3, s. 1041-1050. ISSN 1598-6446.	2022	Q3	2.2
MATUŠINEC, Josef, HRABEC, Dušan, ŠOMPLÁK, Radovan, NEVRLÝ, Vlastimír, REDUTSKIY, Yury. Cooking oils and fat waste collection infrastructure planning: a regional-level outline. <i>Clean Technologies and Environmental Policy</i> , 2022, roč. 24, č. Neuveden, s. nestránkováno. ISSN 1618-954X.	2022	Q2; Q3; Q3	1.4; 1.5; 2.7
GÁL, Robert, MOKREJŠ, Pavel, PAVLAČKOVÁ, Jana, JANÁČOVÁ, Dagmar. Cyprinus carpio skeleton byproduct as a source of collagen for gelatin preparation. <i>International Journal of Molecular Sciences</i> , 2022, roč. 23, č. 6, s. nestránkováno. ISSN 1661-6596.	2022	Q1	1.4; 1.6
VÍTKOVÁ, Lenka, MUSILOVÁ, Lenka, ACHBERGEROVÁ, Eva, KOLAŘÍK, Roman, MRLÍK, Miroslav, KOPASOVÁ, Kateřina, MAHELOVÁ, Leona, CAPÁKOVÁ, Zdenka, MRÁČEK, Aleš. Formulation of magneto-responsive hydrogels from dually cross-linked polysaccharides: Synthesis, tuning and evaluation of rheological properties. <i>International Journal of Molecular Sciences</i> , 2022, roč. 23, č. 17, s. nestránkováno. ISSN 1661-6596.	2022	Q1	1.4; 1.6
PÁTÍKOVÁ, Zuzana, REBENDA, Josef. Applications of the differential transform to second-order half-linear Euler equations. <i>JOURNAL OF COMPUTATIONAL SCIENCE</i> , 2022, roč. 59, č. Neuveden, s. 1-6. ISSN 1877-7503.	2022	Q2	1.2
ŘEHÁK, David, SLIVKOVÁ, Simona, JANEČKOVÁ, Heidi, ŠTUBEROVÁ, Dominika, HROMADA, Martin. Strengthening resilience in the energy critical infrastructure: Methodological overview. <i>Energies</i> , 2022, roč. 15, č. 14, s. 1-14. ISSN 1996-1073.	2022	Q3	2.7
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EMEBU, Samuel, OSAIKHUIWUOMWAN, Omokaro, MANKONEN, Aleks, UDOYE, Chinweike, OKIEIMEN, Charity, JANÁČOVÁ, Dagmar. Influence of moisture content, temperature, and time on free fatty acid in stored crude palm oil. <i>SCIENTIFIC REPORTS</i> , 2022, roč. 12, č. 1, s. 1-11. ISSN 2045-2322.	2022	Q2	1.7
VO VAN, Hai, HO, Le Thi Kim-Nhung, PROKOPOVÁ, Zdenka, ŠILHAVÝ, Radek, ŠILHAVÝ, Petr. A new approach to calibrating functional complexity weight in software development effort estimation. <i>Computers</i> , 2022, roč. 11, č. 2, s. 1-20. ISSN 2073-431X.	2022	Q3	1.2
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MIZERA, Aleš, KRSTULOVÍČ-OPARA, Lovre, KREML, Nina, KARHÁNKOVÁ, Michaela, MAŇAS, Miroslav, ŠÁNEK, Lubomír, STOKLÁSEK, Pavel, GREBO, Alen. Dynamic behavior of thermally affected injection-molded high-density polyethylene parts modified by accelerated electrons. <i>Polymers</i> , 2022, roč. 14, č. 22, s. 1-15. ISSN 2073-4360.	2022	Q2	1.4
MUSILOVÁ, Lenka, ACHBERGEROVÁ, Eva, VÍTKOVÁ, Lenka, KOLAŘÍK, Roman, MARTÍNKOVÁ, Martina, MINAŘÍK, Antonín, MRÁČEK, Aleš, HUMPOLÍČEK, Petr, PECHA, Jiří. Cross-linked gelatine by modified dextran as a potential bioink prepared by a simple and non-toxic process. <i>Polymers</i> , 2022, roč. 14, č. 3, s. nestránkováno. ISSN 2073-4360.	2022	Q2	1.4
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EMEBU, Samuel, MARTINEZ, Clara, OMOREGBE, Osaze, MANKONE, Aleksj, OGBUOJI, Ebuka, SHAIKH, Ibrahim, PETERSEN, Even, KUBALČÍK, Marek, OKIEIMEN, Charity. Design, techno-economic evaluation, and optimisation of renewable methanol plant model: Finland case study. <i>Chemical Engineering Science</i> , 2023, roč. 278, č. Neuveden, s. 1-14. ISSN 0009-2509.	2023	Q2	2.4
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KAVÁNKOVÁ, Iva, KOVÁŘ, Stanislav, VALOUCH, Jan, ADÁMEK, Milan. Review of Nanoantennas Application. <i>Przegląd Elektrotechniczny</i> , 2023, roč. 99, č. 1, s. 13-17. ISSN 0033-2097.	2023	Q4	2.2
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DOSTÁLOVÁ, Petra, HROMADA, Martin. Use of 5G networks in security technologies. <i>Przegląd Elektrotechniczny</i> , 2023, roč. 99, č. 8, s. 87-91. ISSN 0033-2097.	2023	Q4	2.2
SOUSEDÍKOVÁ, Lucie, ADÁMEK, Milan. Use of Virtual Reality in polygraph testing. <i>Przegląd Elektrotechniczny</i> , 2023, roč. 99, č. 9, s. 80-84. ISSN 0033-2097.	2023	Q4	2.2

JURTÍK, Marek, GŘEŠKOVÁ, Barbora, PRUCKOVÁ, Zdeňka, ROUCHAL, Michal, DASTYCHOVÁ, Lenka, VÍTKOVÁ, Lenka, VALÁŠKOVÁ, Kristýna, ACHBERGEROVÁ, Eva, VÍCHA, Robert. Assembling a supramolecular 3D network with tuneable mechanical properties using adamantylated cross-linking agents and β -cyclodextrin-modified hyaluronan. <i>Carbohydrate Polymers</i> , 2023, roč. 313, č. Neueden, s. nestránkováno. ISSN 0144-8617.	2023	Q2	1.4; 2.5
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LAPČÍKOVÁ, Barbora, VALENTA, Tomáš, LAPČÍK, Lubomír, LI, Peng. Curcuma particle size evolution by application of bead milling process and curcuminoids content determination. <i>International Journal of Food Science and Technology</i> , 2023, roč. 58, č. 11, s. 5738-5744. ISSN 0950-5423.	2023	Q3	2.11; 4.5
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ERYGANOV, Ivan, ŠOMPLÁK, Radovan, HRABEC, Dušan, JADRNÝ, Josef. Bilevel programming methods in waste-to-energy plants' price-setting game. <i>OPERATIONAL RESEARCH</i> , 2023, roč. 23, č. 2, s. 1-37. ISSN 1109-2858.	2023	Q3	5.2
DEMIROĞLU, Ugur, SENOL, Bilal, MATUŠŮ, Radek. Fractional order PD controller design for third order plants including time delay. <i>Pamukkale University Journal of Engineering Sciences-Pamukkale Universitesi Muhendislik Bilimleri Dergisi</i> , 2023, roč. 29, č. 3, s. 289-295. ISSN 1300-7009.	2023	Q4	2.11
ADÁMEK, Martin, MLČEK, Jiří, SKOWRONKOVÁ, Nela, ZVONKOVÁ, Magdaléna, JAŠŠO, Miroslav, ADÁMKOVÁ, Anna, SKÁCEL, Josef, BUREŠOVÁ, Iva, ŠEBESTÍKOVÁ, Romana, ČERNEKOVÁ, Martina, BUČKOVÁ, Martina. 3D printed Fused Deposition Modeling (FDM) capillaries for chemiresistive gas sensors. <i>Sensors</i> , 2023, roč. 23, č. 15, s. 1-17. ISSN 1424-8220.	2023	Q2	1.4; 2.11; 2.2
ADÁMEK, Martin, ZVONKOVÁ, Magdaléna, BUREŠOVÁ, Iva, BURAN, Martin, ŠEVČÍKOVÁ, Veronika, ŠEBESTÍKOVÁ, Romana, ADÁMKOVÁ, Anna, SKOWRONKOVÁ, Nela, MLČEK, Jiří. Use of a thermodynamic sensor in monitoring fermentation processes in gluten-free dough proofing. <i>Sensors</i> , 2023, roč. 23, č. 1, s. 1-17. ISSN 1424-8220.	2023	Q2	1.4; 2.11; 2.2
MOUČKA, Robert, SEDLAČÍK, Michal, PÁTÍKOVÁ, Zuzana. Fractional viscoelastic models of porcine skin and its gelatin-based surrogates. <i>Mechanics of Materials</i> , 2023, roč. 177, č. Neueden, s. nestránkováno. ISSN 1872-7743.	2023	Q1; Q2	2.3; 2.5
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VÍCHOVÁ, Kateřina, HROMADA, Martin, DŽERMANSKÝ, Martin, SNOPEK, Lukáš, PEKAJ, Robert. Solving Power Outages in Healthcare Facilities: Algorithmisation and Assessment of Preparedness. <i>Energies</i> , 2023, roč. 2023, č. 16 (1), s. 1-14. ISSN 1996-1073.	2023	Q3	2.7
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ŠOMPLÁK, Radovan, SMEJKALOVÁ, Veronika, ROSECKÝ, Martin, SZÁSZIOVÁ, Lenka, NEVRLÝ, Vlastimír, HRABEC, Dušan, PAVLAS, Martin. Comprehensive review on waste generation modeling. <i>Sustainability</i> , 2023, roč. 15, č. 4, s. 1-29. ISSN 2071-1050.	2023	Q2; Q3; Q3; Q3	1.4; 1.5; 2.7; 5.7
VOLEK, Zdeněk, ZITA, Lukáš, ADÁMKOVÁ, Anna, ADÁMEK, Martin, MLČEK, Jiří, PLACHÝ, Vladimír. Dietary inclusion of crickets (<i>acheta domesticus</i>) and yellow mealworm meal (<i>tenebrio molitor</i>) in comparison with soybean meal: Effect on the growth, total tract apparent digestibility, and nitrogen balance of fattening rabbits. <i>Animals</i> , 2023, roč. 13, č. 10, s. nestránkováno. ISSN 2076-2615.	2023	Q1	4.2; 4.3
MUHAMMAD, Hemin Akram, HROMADA, Martin. Evaluating a proposed e-government stage model in terms of personal data protection. <i>APPLIED SCIENCES-BASEL</i> , 2023, roč. 13, č. 6, s. 1-17. ISSN 2076-3417.	2023	Q3	1.3; 1.4; 2.11; 2.5
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